IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

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Listing of Claims:

1. (Currently Amended) A method of providing configuration access to a Domain Name Service (DNS) ~~DNS~~ server system from a client in a computer network, the method comprising the steps of:

establishing communicative coupling between a client web browser and a ~~DNS server system~~ web server of the DNS server system;

requesting a user interface, adapted to provide configuration access to a DNS server system; and

downloading the user interface from the DNS server system over the computer network.

2. (Currently Amended) The method of claim 1, wherein the user interface comprises a graphical user interface (GUI) ~~GUI~~.

3. (Currently Amended) The method of claim 1, wherein the user interface comprises a JAVA graphical user interface (JGUI) ~~JGUI~~.

4. (Original) The method of claim 1, wherein the user interface is adapted to provide configuration access to a DNS database.

5. (Original) The method of claim 1, wherein the user interface is adapted to provide configuration access to a DNS object oriented database.

6. (Original) The method of claim 1, wherein the user interface is adapted to provide access to an object oriented database.

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7. (Currently Amended) The method of claim 1, further including the step of establishing communicative coupling between the client web browser and a ~~DNS~~ configuration server of the DNS server system.

8. (Original) The method of claim 1, wherein the computer network comprises the Internet.

9. (Original) The method of claim 1, wherein the computer network comprises an IP based computer network.

10. (Original) The method of claim 1, wherein the computer network comprises an intranet.

11. (Original) The method of claim 1, further including the step of establishing communicative coupling between the user interface and a configuration server.

12. (Original) The method of claim 1, wherein the DNS server system comprises a DNS server appliance.

13. (Original) A method of providing an IP address for a host in a computer network, the method comprising the steps of:

receiving a request for an IP address associated with a domain name from a client in a computer network;

retrieving the requested IP address from an object oriented database; and

transmitting the retrieved IP address to the client.

14. (Currently Amended) The method of claim 13, further comprising the step of establishing communicative coupling between a client web browser and a Domain Name Service (DNS) ~~DNS~~ server.

15. (Original) The method of claim 13, wherein the computer network comprises the Internet.

16. (Original) The method of claim 13, wherein the computer network comprises an IP based computer network.

17. (Original) The method of claim 13, wherein the computer network comprises an intranet.

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18. (Currently Amended) The method of claim 13, wherein ~~the~~ a Domain Name Service (DNS) ~~DNS~~ server system receives the request and the DNS server system comprises a DNS server appliance.

19. (New) The method of claim 13, further including linking a host object with a network object and a zone object.

20. (New) The method of claim 19, wherein the zone object is linked to another zone object.

21. (New) The method of claim 19, wherein the network object is linked to another network object.

22. (New) The method of claim 13, further including:
unlinking an old network object from a host object;
deleting the old network object; and
linking the host object to a new network object.

23. (New) The method of claim 22, further including automatically updating the host object to reflect an association with the new network object.

24. (New) A computer program product for providing configuration access to a Domain Name Service (DNS) server system from a client in a computer network, the computer program product being embodied in a computer readable medium and comprising computer instructions for:

establishing communicative coupling between a client web browser and a web server of the DNS server system;

requesting a user interface, adapted to provide configuration access to a DNS server system; and

downloading the user interface from the DNS server system over the computer network.

25. (New) A computer program product as recited in claim 24, wherein the user interface comprises a graphical user interface (GUI).

26. (New) A computer program product as recited in claim 24, wherein the user interface comprises a JAVA graphical user interface (JGUI).

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27. (New) A computer program product as recited in claim 24, wherein the user interface is adapted to provide configuration access to a DNS database.

28. (New) A computer program product as recited in claim 24, wherein the user interface is adapted to provide configuration access to a DNS object oriented database.

29. (New) A computer program product as recited in claim 24, wherein the user interface is adapted to provide access to an object oriented database.

30. (New) A computer program product as recited in claim 24, the computer program product further comprising computer instructions for establishing communicative coupling between the client web browser and a configuration server of the DNS server system.

31. (New) A computer program product as recited in claim 24, wherein the computer network comprises the Internet.

32. (New) A computer program product as recited in claim 24, wherein the computer network comprises an IP based computer network.

33. (New) A computer program product as recited in claim 24, wherein the computer network comprises an intranet.

34. (New) A computer program product as recited in claim 24, the computer program product further comprising computer instructions for establishing communicative coupling between the user interface and a configuration server.

35. (New) A computer program product as recited in claim 24, wherein the DNS server system comprises a DNS server appliance.

36. (New) A computer program product for providing an IP address for a host in a computer network, the computer program product being embodied in a computer readable medium and comprising computer instructions for:

receiving a request for an IP address associated with a domain name from a client in a computer network;

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retrieving the requested IP address from an object oriented database; and transmitting the retrieved IP address to the client.

37. (New) A computer program product as recited in claim 36, further comprising the step of establishing communicative coupling between a client web browser and a Domain Name Service (DNS) server.

38. (New) A computer program product as recited in claim 36, wherein the computer network comprises the Internet.

39. (New) A computer program product as recited in claim 36, wherein the computer network comprises an IP based computer network.

40. (New) A computer program product as recited in claim 36, wherein the computer network comprises an intranet.

41. (New) A computer program product as recited in claim 36, wherein a Domain Name Service (DNS) server system receives the request and the DNS server system comprises a DNS server appliance.

42. (New) A computer program product as recited in claim 36, the computer program product further comprising computer instructions for linking a host object with a network object and a zone object.

43. (New) A computer program product as recited in claim 42, wherein the zone object is linked to another zone object.

44. (New) A computer program product as recited in claim 42, wherein the network object is linked to another network object.

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45. (New) A computer program product as recited in claim 36, the computer program product further comprising computer instructions for:

unlinking an old network object from a host object;

deleting the old network object; and

linking the host object to a new network object.

46. (New) A computer program product as recited in claim 45, the computer program product further comprising computer instructions for automatically updating the host object to reflect an association with the new network object.

47. (New) A system for providing configuration access to a Domain Name Service (DNS) server system from a client in a computer network, including:

a processor configured to:

establish communicative coupling between a client web browser and a web server of the DNS server system;

request a user interface, adapted to provide configuration access to a DNS server system; and

download the user interface from the DNS server system over the computer network; and

a memory coupled with the processor, wherein the memory provides the processor with instructions.

48. (New) The system of claim 47, wherein the user interface comprises a graphical user interface (GUI).

49. (New) The system of claim 47, wherein the user interface comprises a JAVA graphical user interface (JGUI).

50. (New) The system of claim 47, wherein the user interface is adapted to provide configuration access to a DNS database.

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51. (New) The system of claim 47, wherein the user interface is adapted to provide configuration access to a DNS object oriented database.

52. (New) The system of claim 47, wherein the user interface is adapted to provide access to an object oriented database.

53. (New) The system of claim 47, wherein the processor is further configured to establish communicative coupling between the client web browser and a configuration server of the DNS server system.

54. (New) The system of claim 47, wherein the computer network comprises the Internet.

55. (New) The system of claim 47, wherein the computer network comprises an IP based computer network.

56. (New) The system of claim 47, wherein the computer network comprises an intranet.

57. (New) The system of claim 47, the processor is further configured to establish communicative coupling between the user interface and a configuration server.

58. (New) The system of claim 47, wherein the DNS server system comprises a DNS server appliance.

59. (New) A system for providing an IP address for a host in a computer network, including:

a processor configured to: receive a request for an IP address associated with a domain name from a client in a computer network;

retrieve the requested IP address from an object oriented database; and

transmit the retrieved IP address to the client; and

a memory coupled with the processor, wherein the memory provides the processor with instructions.

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60. (New) The system of claim 59, wherein the processor is further configured to establish communicative coupling between a client web browser and a Domain Name Service (DNS) server.

61. (New) The system of claim 59, wherein the computer network comprises the Internet.

62. (New) The system of claim 59, wherein the computer network comprises an IP based computer network.

63. (New) The system of claim 59, wherein the computer network comprises an intranet.

64. (New) The system of claim 59, wherein a Domain Name Service (DNS) server system receives the request and the DNS server system comprises a DNS server appliance.

65. (New) The system of claim 59, wherein the processor is further configured to link a host object with a network object and a zone object.

66. (New) The system of claim 65, wherein the zone object is linked to another zone object.

67. (New) The system of claim 65, wherein the network object is linked to another network object.

68. (New) The system of claim 59, wherein the processor is further configured to:
unlink an old network object from a host object;
delete the old network object; and
link the host object to a new network object.

69. (New) The system of claim 68, wherein the processor is further configured to automatically update the host object to reflect an association with the new network object.

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